

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05B19/401 G08C17/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B G08C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 872 787 A (RENISHAW PLC) 21 October 1998 (1998-10-21) the whole document	1-19
A	US 5 297 203 A (HEUNG CHARLEY ET AL) 22 March 1994 (1994-03-22) column 1, line 8 - column 2, line 4	5-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

5 November 2004

Date of mailing of the international search report

12/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hasubek, B

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051506

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0872787	A	21-10-1998	FR 2762110 A1	16-10-1998
			EP 0872787 A1	21-10-1998
			JP 11002514 A	06-01-1999
			US 6301796 B1	16-10-2001
US 5297203	A	22-03-1994	CA 2059734 A1	30-11-1992
			CA 2151516 A1	30-11-1992
			GB 2257332 A ,B	06-01-1993
			GB 2268370 A ,B	05-01-1994
			JP 3230761 B2	19-11-2001
			JP 7087561 A	31-03-1995
			US 5371783 A	06-12-1994